OIPE IAP88
SEP 11 2006
PATENT & TRADEMARK OFFICE

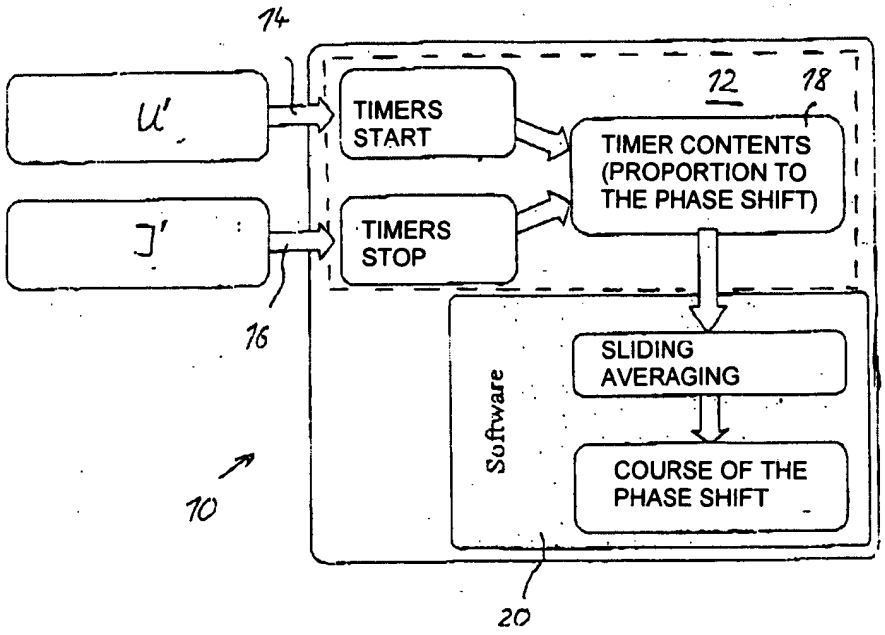

Fig. 3

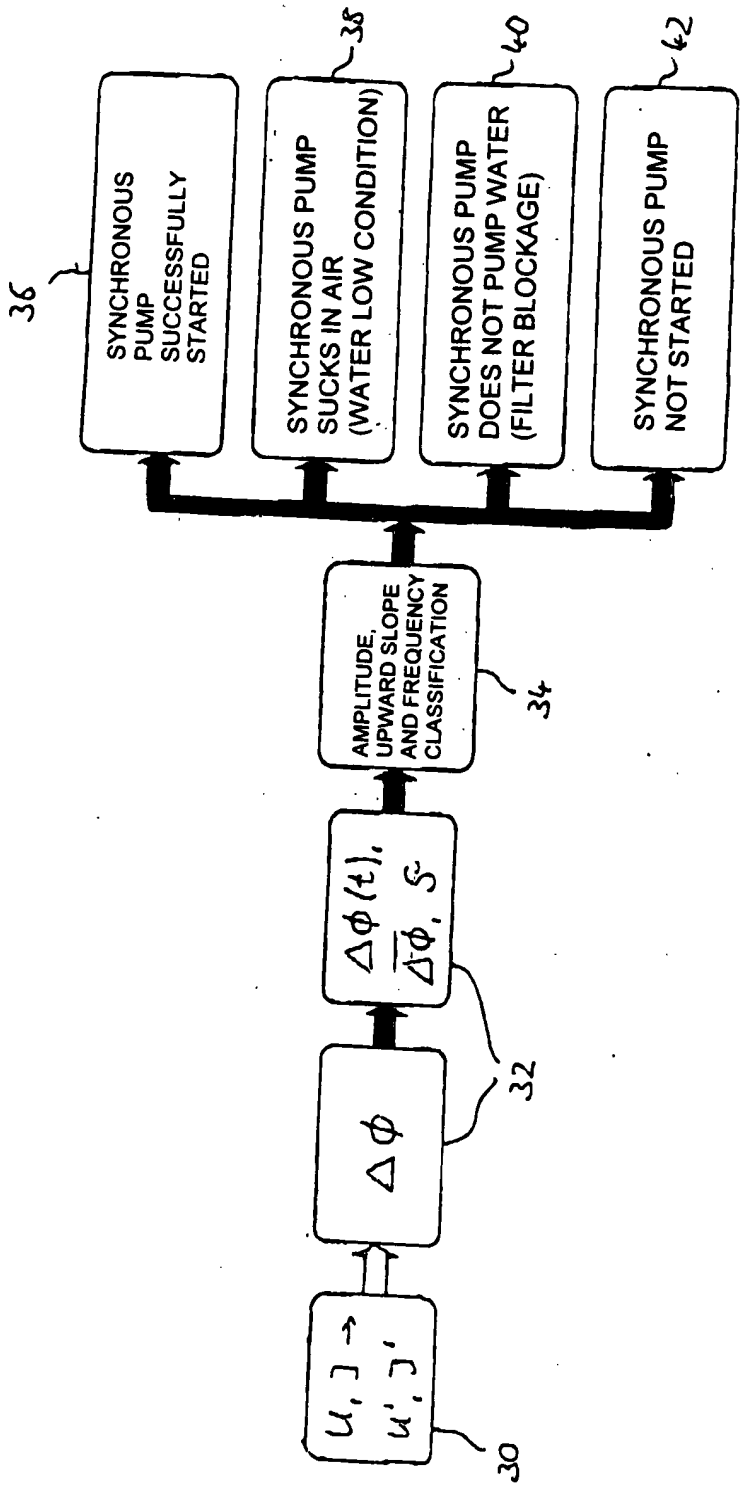
SYNCHRONOUS PUMP SUCCESSFULLY STARTED
SYNCHRONOUS PUMP SUCKS IN AIR (WATER LOW CONDITION)
SYNCHRONOUS PUMP DOES NOT PUMP WATER (FILTER BLOCKAGE)
SYNCHRONOUS PUMP NOT STARTED
AMPLITUDE, UPWARD SLOPE AND FREQUENCY CLASSIFICATION
$\Delta\phi(t)$, $\overline{\Delta\phi}$, S
$\Delta\phi$
$U, J \rightarrow U', J'$
36
38
40
42
34
32
30

Fig. 8